

**PCT REQUEST**

Original (for SUBMISSION )

0	<b>For receiving Office use only</b>	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	<b>Form PCT/RO/101 PCT Request</b>	
0-4-1	Prepared Using	<b>PCT-SAFE [EASY mode] Version 3.50 (Build 0002.162)</b>
0-5	<b>Petition</b> The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	<b>Receiving Office (specified by the applicant)</b>	
0-6	<b>Korean Intellectual Property Office (RO/KR)</b>	
0-7	<b>Applicant's or agent's file reference</b>	
I	<b>Title of Invention</b>	
I	<b>Applicant</b>	
II-1	This person is <b>applicant only</b>	
II-2	Applicant for <b>all designated States except US</b>	
II-4	Name <b>LG ELECTRONICS INC.</b>	
II-5	Address <b>20, Yoido-dong, Youngdungpo-gu, Seoul150-721 Republic of Korea</b>	
II-6	State of nationality <b>KR</b>	
II-7	State of residence <b>KR</b>	
II-8	Telephone No. <b>82-55-260-3823</b>	
II-9	Facsimile No. <b>82-55-260-3507</b>	
II-10	e-mail <b>schrodinger@lge.com</b>	

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III-1	<b>Applicant and/or inventor</b>	
III-1-1	This person is	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	CHOI, Bong Jun
III-1-5	Address	Hyundai APT. 2-Cha, 201-213, Banlim-dong, Changwon-shi, Kyongsangnam-do641-760 Republic of Korea
III-1-6	State of nationality	KR
III-1-7	State of residence	KR
III-2	<b>Applicant and/or inventor</b>	
III-2-1	This person is	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	SIN, Jong Min
III-2-5	Address	Samsung APT., 110-1003, Munhyon-dong, Nam-gu, Pusan608-822 Republic of Korea
III-2-6	State of nationality	KR
III-2-7	State of residence	KR
III-3	<b>Applicant and/or inventor</b>	
III-3-1	This person is	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	SIM, Jae Seong
III-3-5	Address	Samsung Town, 102-108, Sanho-dong, 18-1, Happo-gu, Masan-si Kyongsangnam-do631-480 Republic of Korea
III-3-6	State of nationality	KR
III-3-7	State of residence	KR
III-4	<b>Applicant and/or inventor</b>	
III-4-1	This person is	applicant and inventor
III-4-2	Applicant for	US only
III-4-4	Name (LAST, First)	JEONG, Young
III-4-5	Address	Jukong APT., 326-303, Cheolsan-dong, 552, Gwangmyeong-si, Gyeonggi-do423-030 Republic of Korea
III-4-6	State of nationality	KR
III-4-7	State of residence	KR

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III-5	<b>Applicant and/or inventor</b>	
III-5-1	This person is	applicant and inventor
III-5-2	Applicant for	US only
III-5-4	Name (LAST, First)	KO, Young Hwan
III-5-5	Address	GMB APT., 514, Gaumjung-dong, 12-6, Changwon-si, Gyeongsangnam-do641-711 Republic of Korea
III-5-6	State of nationality	KR
III-5-7	State of residence	KR
III-6	<b>Applicant and/or inventor</b>	
III-6-1	This person is	applicant and inventor
III-6-2	Applicant for	US only
III-6-4	Name (LAST, First)	HWANG, Jun Hyun
III-6-5	Address	LG Electronics Inc. Dormitory A- 106, Gaumjung-dong, 391-12, Changwon-si, Gyeongsangnam-do641-711 Republic of Korea
III-6-6	State of nationality	KR
III-6-7	State of residence	KR
IV-1	<b>Agent or common representative; or address for correspondence</b>  The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	BAHNG, Hae Cheol
IV-1-2	Address	KBK & ASSOCIATES 15th Floor Yo Sam Building, 648-23, Yeoksam-dong, Kangnam-gu, Seoul135-080 Republic of Korea
IV-1-3	Telephone No.	82-2-3453-6701
IV-1-4	Facsimile No.	82-2-557-3404
IV-1-5	e-mail	webmaster@kbkpat.com
IV-1-6	Agent's registration No.	9-1999-000231-3
IV-2	<b>Additional agent(s)</b>	additional agent(s) with same address as first named agent
IV-2-1	Name(s)	KIM, Yong In(9-1998-000022-1)

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V	DESIGNATIONS	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	
V-2	Item V-2 may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. As to the consequences of such national law provisions in these and certain other States, see Designations in PCT-SAFE Help.	KR
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	20 December 2003 (20.12.2003)
VI-1-2	Number	10-2003-0094248
VI-1-3	Country	KR
VI-2	Priority claim of earlier national application	
VI-2-1	Filing date	20 December 2003 (20.12.2003)
VI-2-2	Number	10-2003-0094250
VI-2-3	Country	KR
VI-3	Priority claim of earlier national application	
VI-3-1	Filing date	20 December 2003 (20.12.2003)
VI-3-2	Number	10-2003-0094249
VI-3-3	Country	KR
VI-4	Priority document request  The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1, VI-2, VI-3
VII-1	International Searching Authority Chosen	Austrian Patent Office (ISA/AT)

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VIII	<b>Declarations</b>	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
<b>IX</b>	<b>Check list</b>	<b>number of sheets</b>	<b>electronic file(s) attached</b>
IX-1	Request (including declaration sheets)	6	✓
IX-2	Description	17	-
IX-3	Claims	8	-
IX-4	Abstract	1	✓
IX-5	Drawings	17	-
IX-7	<b>TOTAL</b>	<b>49</b>	
	<b>Accompanying Items</b>	<b>paper document(s) attached</b>	<b>electronic file(s) attached</b>
IX-8	Fee calculation sheet	✓	-
IX-9	Original separate power of attorney	✓	-
IX-17	PCT-SAFE physical media	-	✓
IX-19	Figure of the drawings which should accompany the abstract	2	
IX-20	Language of filing of the International application	Korean	
X-1	Signature of applicant, agent or common representative	 BAHNG, Hae Cheol	
X-1-1	Name (LAST, First)		
X-1-2	Name of signatory		
X-1-3	Capacity		
X-2	Signature of applicant, agent or common representative	 KIM, Yong In	
X-2-1	Name (LAST, First)		
X-2-2	Name of signatory		
X-2-3	Capacity		

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**FOR RECEIVING OFFICE USE ONLY**

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/AT
10-6	Transmittal of search copy delayed until search fee is paid	

**FOR INTERNATIONAL BUREAU USE ONLY**

11-1	Date of receipt of the record copy by the International Bureau	
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AZ02-096WODA

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**PCT REQUEST (ANNEX - FEE CALCULATION SHEET)**

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(This sheet is not part of and does not count as a sheet of the international application)

0	<b>For receiving Office use only</b>			
0-1	International Application No.			
0-2	Date stamp of the receiving Office			
0-4	Form PCT/RO/101 (Annex) PCT Fee Calculation Sheet Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.162)		
0-9	Applicant's or agent's file reference	AZ02-096WODA		
2	Applicant	LG ELECTRONICS INC.		
12	<b>Calculation of prescribed fees</b>	fee amount/multiplier	Total amounts (KRW)	
12-1	Transmittal fee	T	45000	
12-2-1	Search fee	S	235000	
12-2-2	International search to be carried out by	AT		
12-3	International filing fee (first 30 sheets)	i1	1329000	
12-4	Remaining sheets		19	
12-5	Additional amount	(X)	14000	
12-6	Total additional amount	i2	266000	
12-7	i1 + i2 =	i	1595000	
12-12	EASY Filing reduction	R	-95000	
12-13	Total International filing fee (i-R)	I	1500000	
12-14	Fee for priority document Number of priority documents requested	1		
12-15	Fee per document	(X) 0		
12-16	Total priority document fee:	P		
12-17	<b>TOTAL FEES PAYABLE (T+S+I+P)</b>		1780000	
12-19	Mode of payment	cash		